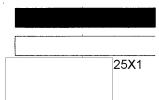
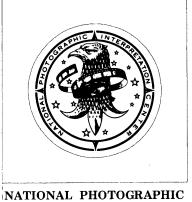
Top Secret





INTERPRETATION CENTER

REPORT

Basic

MAGERY

NTERPRETATION

LUKHOVITSY AIRFRAME PLANT (S)

25X1

STRATEGIC WEAPONS INDUSTRIAL FACILITIES **USSR JUNE 1979**

Top Secret

25X1

RCA-09/0012/79

Copy

49

25X1



		p Secret RUFF			25 X
					25 X
NSTALLATION OR ACTIVI	TV NAME				
ukhovitsy Airfr				COUNTR	RY ·
TM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO. COMIR	EX NO. NIETB N	0
IA	55-54-55N 039-02-20E		, comm	INC.	25X
AC LISATO S	eries 200, Sheet 0166-6	. saala 1.200 000			i
	eries 200, Sheet 0166-6	,			
TEST IMAGERY USED			N DATE (If required)		
ee "Abstract"		NA			
		ABSTRACT			
vitsy Airframe Incomplete the property of the	tion cutoff date of sreport includes a loc	ly satisfies the banformation contain and thereby the inform date of the lates	sic reporting required in NPIC report by supersedes those ation cutoff date is t, usable imagery covered by this report	rement for this s s reports. Activition NPIC report acquired prior port.	25X ty ob- 25X to the 25X 25X
nensurai and/or	chronological data.	INTRODUCTIO	ON		
Lukhovitsy Airfi crate assembly a	f Lukhovitsy (Figure ; ield and transshipment faci ver substation are east	which serves as the	ne test and flyaway e plant. A construct	field for the plant	_{ant. A} 25X
\(/ /	/.	, , , ,	1 /	TILET	7.7
\(/ / \)	MOSKUA RIVER	o K	ARIVER	DINOVO	A A
\//	MOSKUA RINTER		ARIVER	DINOVO	
\(/ /	MOSKIN RINGE	LUKHOVITSY AIRFRAME PLANT	A RIVER DEL		
KOLOMNA		LUKHOVITSY AIRFRAME PLANT CRATE FACILITY	LUKHO	VITSY	7072
55°00'		LUKHOVITSY AIRFRAME PLANT CRATE FACILITY	LUKHOV LUKHOV AIRFIELD 39°00'	VITSY ME PLANT	7072
55°00'		LUKHOVITSY AIRFRAME PLANT CRATE FACILITY	LUKHOV LUKHOV AIRFIELD 39°00'	VITSY ME PLANT	

Sanitized Copy Approved for Release 2010/05/14 : CIA-RDP79T01819A000100850001-1	
Top Secret RUFF	25 X 1
4. Lukhovitsy Airframe Plant and Lukhovitsy Airfield are associated with Moscow	25 X 1
Airframe Plant 30¹ Aircraft subassemblies produced at Plant 30 are transported to Lukhovitsy for final assembly, test, and delivery.	25 X 1
5. The construction activity at Lukhovitsy Airframe Plant between and	25X1.1
was a continuation of the plant expansion program initiated in mid-1967. 1-5 At that time, it was theorized that the Soviets were planning to convert Lukhovitsy to a fully operational airframe plant. However, the construction at the plant has proceeded at a slow pace, and there is no evidence of heat treatment facilities and machine shops generally associated with a fully operational airframe plant. Although Lukhovitsy may have the facilities to produce some minor components or subassemblies, the lack of heat treatment facilities and machine shops	25X1
suggests that the plant will continue to function primarily as an assembly plant using finished components and subassemblies supplied by Moscow Airframe Plant 30. This report contains all pertinent information on construction and production activities occurring at the Lukhovitsy in-	•
stallations since and therefore supersedes the four NPIC reports published on the facilities after that date.2-5	25 X 1
BASIC DESCRIPTION	
Construction Activity	
June 1969 – October 1972	
6. (TSR) The most significant construction activity occurring at the plant during this time period was observed in the northwestern and southeastern plant areas. In the northwestern plant	
area, continued construction on the large subassembly building (item 53, Figure 3 and Table 1) increased the floorspace of the building by approximately Construction completed on this building included a major addition to the subassembly subsection (item 53c), a three-story engineering/shop/passageway (item 53d), and a three-story engineering/shop section (item 53e) on the northwestern side of the subassembly addition. The completed floorspace of this	25X1
subassembly building totaled approximatelyby the end of October 1972.	25 X 1
7. (TSR) Construction activity in the southeastern plant area during this period significantly increased the floorspace used for the final assembly, checkout, and maintenance of aircraft. The floorspace of the large final assembly/maintenance hangar (item 9, Figure 4 and Table 2) was	•
increased by approximately with the addition of a single-story, high-bay checkout/maintenance section (item 9b). This section contains two large doors, one in the southern wall and one in the eastern wall, to facilitate the movement of aircraft. It is likely that access doors were built into the wall separating the main hangar (item 9a) and the checkout/maintenance section (item 9b). The total floorspace of the final assembly/maintenance hangar is approx-	25X1
imately Additional construction in the southeastern plant area during the period, June 1969 through October 1972, included the completion of four small maintenance/checkout hangars (items 11-14), each of which is large enough to house two FLOGGER aircraft.	25X1
The total floorspace contained in the four small hangars is approximately The floorspace available for final assembly, checkout, and maintenance of aircraft in the south-	25X1
eastern plant area was therefore increased by approximately item 9b plus items $11-14$), making the total amount of available floorspace in this area approximately	25 X 1
by the end of October 1972.	25 X 1
8. (TSR) Additional structures completed at the plant during this timeframe included a three-story administration/engineering building (item 7, Figure 3 and Table 1), a shop/storage building (item 47), a storage building (item 41), two storage/support buildings (items 12 and 38), and three support buildings (items 40, 66, and 67). A small, separately-secured support facility	
(item 1) was added immediately northeast of the administration/engineering compound. The buildings within this support facility are probably the two storage sheds which were removed from the southeastern corner of the administration/engineering compound prior to the initial construc-	•
tion of an administration/engineering building (item 3). The remaining construction at Lukhovitsy Airframe Plant during the June 1969—October 1972 period consisted of the completion of 15 general-purpose support structures and an underground POL storage tank (item 19) and the enlargement of a support building (item 15).	•
9. (TSR) The total approximate floorspace completed at Lukhovisty Airframe Plant from June 1969 through October 1972 was Approximately	25X1
of floorspace were razed during this period, resulting in a net increase of approximately square meters of floorspace. The total completed floorspace of Lukhovitsy Airframe Plant at the	25X1
end of this period was approximately (This figure is based on a total floorspace of for the period ending early June 1969, which is a revision of	25 X 1 25 X 1
the total reported in NPIC report Floorspace revisions for individual structures are noted in the "Remarks" columns of Tables 1 and 2.)	25X1
- 2 - Top Secret RCA-09/0012/79	0EV4
10p Secret 11CA-03/0012/13	25 X 1

Sanitized Copy Approved for Release 2010/05/14 : CIA-RDP79T01819A000100850001-1



Table 1 Lukhovitsy Airframe Plant and Lukhovitsy Airfield, USSR (Items keyed to Figure 3)

This table in its entirety is classified TOP SECRET RUFF

tem	Description	Dimens (m) L	ions W	Floorspace (sq m) *	Date Observed Complete	Remarks
1	Support fac				Oct 72	Includes a small security bldg & 2
2	Support bldg	_		-	Jul 77	stor/support structures 2-story bldg; first seen ucon in Sep 76
3	Admin/eng bldg			-	Nov 75	2-story blug, first seen ucon in Sep 76
а	Admin/eng sec				1101 75	First seen ucon in Oct 72
b	Enclosed passageway					
	zneresea passageway					First seen ucon in Apr 75; connects
1	Admin bldg			_		items 3 & 4 at first floor level
5				_	Jun 63	Original 2-story bldg
	Admin/eng bldg					
a	Admin/eng sec				Jun 63	Original,2-story bldg
ь	Admin/security sec				May 78	3-story sec; first seen ucon in Jul 77
3	Admin bldg				Jun 63	2-story bldg
7	Admin/eng bldg				Oct 72	3-story bldg; first seen ucon in May 71
3	Support bldgs (2)				Jun 63	
9	Shop bldg				Apr 62	2-story admin bldg, east side of bldg
5	Support bldg			-	Jan 69	
1	Poss shop/stor bldg	-		-	Ucon	First seen ucon in Aug 68
2						Poss footings first seen in Nov 77; projected floorspace of
3	Stor/support bldg	_		L	May 71	· · · · · · · · · · · · · · · · · · ·
1	Stor/support bldg	_		_	Feb 76	
	Support bldg	_			Mar 65	
	Support bldg				Mar 65	Enlarged between May 71 & Jul 72 by
3	Support bldg				Mar 65	
	Support bldg				Jul 76	First seen ucon in Nov 75; being enlarged by approx
3	POL pumping/metering station				Jun 63	Original bldg
9	Underground POL stor tank				Oct 72	First seen ucon in Aug 70: doubled POL
)		_		_		stor capacity
	Shop bldg			_	Jun 63	
!	Support structure				Jul 78	Drive-through poss vehicle fueling station
а	Stor bldgs (2) Stor bldg				Mar 65	Original bldg
b	Stor/support bldg				Jul 77	First seen ucon in Oct 76
	Pumphouse				Jun 63	Dimensions do not include circular sec
	Pumphouse				Jun 63	
	Vehicle maint bldg				Oct 76	First seen ucon in Nov 75
	Support bldg			_	Oct 76	First seen ucon in Jul 76
	Support bldg				Jun 63	Enlarged between Nov 75 & Jul 77 by
	Vehicle maint bldg	_		-		When item b is complete, projected
	•					floorspace of
а	Vehicle maint/stor sec				Jun 63	
b	Vehicle stor sec					Original bldg
	Operations bldg	-		<u> </u>	Ucon	First seen ucon in Apr 78
		_		L	Jun 63	Control tower atop bldg
	Support bldg	_			Jun 63	
	Support bldg				Jun 63	Enlarged between Jul 74 & Feb 75 by
	Support bldg				Aug 70	Prob vehicle maint bldg
	Fuel stor tank				Jul 75	First seen ucon in Feb 75
	Underground fuel stor bunker			-	May 78	First seen ucon in Sep 76
-	Fuel pumping/metering station			-	Apr 74	First seen ucon in Apr 73
	Heating plant			-		
3	Boilerhouse				Jun 63	Original boilerhouse
)	Boilerhouse				Feb 75	First seen ucon in May 71
:	Support sec				Apr 78	First seen ucon in Jul 77
	Support bldg			-	Feb 75	First seen ucon in Apr 74
	Stor/support bldg			 	May 71	First seen ucon in Aug 70
	Support bldg	_		-	Oct 73	First seen ucon in Oct 72
	Support bldg	-		-		
	Stor bldg			-	May 71	First seen ucon in Aug 70
	Stor bldg	-		_	Apr 72 Oct 75	First seen ucon in Feb 71 First seen ucon in Jul 74

Sanitized Copy Approved for Release 2010/05/14 : CIA-RDP79T01819A000100850001-1

Top Secret RUFF

tem	Description	Dimensions (m) L W	Floorspace (sq m) *	Date Observed Complete	Remarks
13	Stor bldg			Feb 75	First seen ucon in Jul 74
14	Shop/warehouse			Sep 76	First seen ucon in Jul 76
15	Transshipment bldg				
a b	Transshipment sec Support sec			Mar 65 Apr 78	Original bldg First seen ucon in Jul 77
48	Warehouse	-		Sep 66	Bidg enlarged Aug 68
47	Shop/stor bldg	1		Feb 71	First seen ucon in Aug 70
18	Support bldg	1		Jun 63	
19	Assem/checkout hangar	1		Apr 63	
50	Maint/checkout hangar	1		Feb 75	2-bay hanger with central eng/shop sec;
51	Support bldg	-		Jul 77	first seen ucon in Apr 74 Poss security bldg for rail entrances
12	Support bldg	-		May 78	First seen ucon in Jul 77
3	Subassem bldg	-		may 10	First seeli dooli ili 30177
a	Subassem subsec			Aug 68	First seen ucon in Aug 67
ь	Eng/shop sec			Aug 68	3-story sec (originally reported as
				1 3 4	2-story); first seen ucon in Aug 67
c	Subassem subsec			May 71	First seen ucon in Aug 71; originally
d					reported complete in Jun 69
d	Eng/shop/passageway			Oct 72	3 stories; first seen ucon in May 71
f	Eng/shop sec Admin/eng sec			May 71 Feb 75	3-story sec: first seen ucon in Jun 70 5-story sec: first seen ucon in Apr 73
54	Shop/compressor bidg	-		Feb 74	Single-story, high-bay bldg; first seen
	Onop compressor brog			100 /4	ucon in Apr 70
55	Support bldg	1		Nov 75	First seen ucon in Apr 75
56	Cooling tower	1		Apr 74	2-unit, induced-draft cooling tower:
					first seen ucon in Apr 73
57	Prob shop bldg			Ucon	First seen ucon in Nov 75
58	Eng/shop bldg Admin/eng sec			Feb 76 Aug 78	3-story sec; connected to eng/shop sec by
	· -				enclosed walkway.
ъ	Eng/shop sec			Feb 76	Comprises a 2-story eng/shop sec &
		_			a single-story, high-bay sec
59	Assem/final assem bldg				Projected floorspace of when items d & e are complete
a	Final assem hall			Apr 62	Original bldg
ь	Assem subsec			Aug 68	Originally reported as
c	Assem subsec			Oct 73	First seen ucon in Aug 68
d	Assem subsec			Ucon	First seen ucon in Aug 68
e	Projected expansion of			Ucon	Projected floorspace of
	assem sec	_			
50	Support bldg			Jul 76	Poss related to aircraft deliveries from the plant
51	Support bldg	-		Apr 75	First seen ucon in Feb 75
92	Pumphouse	1		Mar 63	
93	Compressor/shop bldg	1		Jun 63	
a	Compressor sec			Jun 63	Original bldg
b	Compressor/shop sec			Jul 77	2-story addition; first seen ucon in Nov 75
54	Shop/support bldg	1		Apr 76	First seen ucon in Apr 75
55 56	Stor bldg Support bldg	-		Sep 76	First seen ucon in Jul 76 First seen ucon in Aug 70
37	Support bldg	-		Aug 71 Aug 70	First seen ucon in Aug 70 First seen ucon in Jun 70
38	Hardstands (4)	-		Jul 78	First seen ucon in Nov 77
39	Hardstand	1		Jul 78	First seen ucon in Nov 77
0	Support bldg	1		Nov 77	First seen ucon in Jul 77
1	Stor/support bldg	1		Nov 77	First seen ucon in Jul 77
2	Parking apron]		Ucon	First seen ucon in Jul 78
3	Eng/shop bldg			Oct 78	First seen ucon in Apr 74
a b	Eng/shop sec Shop sec				2-story sec
'4	Control bidg	-		Jun 63	Single-story, high-bay sec Associated with adjacent test area
75	Test shed	1		Mar 65	Aircraft housed in this structure during
76	*				testing
0	Stor bldg			Mar 65	Size of this revetted bldg was doubled between Jan & Jun 69
					Desired Jan & Jun 09
		1			

25X1 25X1 25X1 25X1 25X1 Top Secret 25X1

Sanitized Copy Approved for Release 2010/05/14 : CIA-RDP79T01819A000100850001-1 Top Secret RUFF

November 1972 - October 1976

November 1972—October 1976

10. (TSR) Construction activity at Likbovitsy Airframe Plant during the period, November 1972 through October 1976, resulted in a simificant increase in the amount of floorspace available for the assembly of aircraft. This increase in floorspace is attributed to continued construction of the large assembly/final assembly buildin; (item 59, Figure 3 and Table 1). A large subsection (item 59e) was completed along the nort em side of the assembly subsection (item 59e). This practice of completing major additions to production-related facilities as the need for increased floorspace arises, instead of constructing 1 larger building initially, has been observed at other Soviet surframe plants, such as Ulan Ude. ulrhame Plant 198 [1], has been observed at other Soviet surframe plants, such as Ulan Ude. ulrhame Plant 90 soviet construction practice. Additionally, and Omak Airframe Plant 198 [1]. The process of the plant 198 [1] and Omak Airframe plants, such as Ulan Ude. ulrhame Plant 99 [1] and Omak Airframe Soviet construction practice. Additionally the process of the plant 198 [1] and Omak Airframe Plant 199 [

tases three construction projects.

11. (TSR) The increase in productio -related floorspace was accompanied by an increase in floorspace related to the checkout and ms intenance of sureralt. Three small maintenance/checkout hangars (items 15–17, Figure 4 and T tible 2) were completed in the southeastern plant area. A small, two-bay maintenance/checkout hangar (item 50, Figure 5 and Table 1) was constructed in the south-central plant area. These for hangars contain approximately

In the sount-central plant area. Insee from the form of foorspace.

12. (TSR) Additional construction a tivity at the plant durin sprotrainance; of foorspace.

13. (TSR) Additional construction a tivity at the plant durin sprotrainance; or and Table 1). This building was attached to an existing administra ion building (item 3, Figure 3 and Table 1). This building was attached to an existing administra ion building (item 5) area completed with the addition of a five-story administration/engineering sect on (item 530). The enlargement of the heating plant (item 35) area and table 1) are all as the conversion of it from a coal-fired facility to an oil-fired facility was accomplished with the completion of a b ilerbouse addition (item 350). And lead of the section of the section

13. (TSR) Structures completed at I ukhovitsy Airframe Plant during this period contained a total Boorspace of approximately.

| Ploorspace razed at the plant totaled approximately | resulting in a net increase of approximately | meters of floorspace. The total completed floorspace of Lukhovitsy Airframe Plant at the end of October 1976 was approximately |

November 1976 - October 1978

14. (TSR) Significant construction ctivity observed at Lukhovitsy Airframe Plant from November 1976 through mid-October 1976 included the enlargement of a small compressor/shop building (item 68). Figure 3 and Table 1) w the deadlition of a two-story compressor/shop section (item 68b). Construction continued on the engineering/shop building (item 58) with a three-story daministration/engineering section (item 78) being joined to the engineering/shop section (item 58b) by an enclosed walkway. An engine sring/shop building (item 73) was constructed in the western plant area. An administration/engineering compound was enlarged with the s ldition of a three-story administration/security section (item 6b).

(item 5b).

15. (TSR) Additional construction c unpleted at the plant during this timeframe included four support buildings (item 3, Figure 4 at a Table 2, and items 2, 51, and 52, Figure 3 and Table 1), a storage/support building (item 22), fragre 3 and Table 1), a support structure (item 21), and a probable underground fuel oil storage bunker (item 34). The heating plant (item 36) was enlarged with the addition of a small support section (60c). The transabipment building (item 45) was enlarged with the addition of a small support section (item 45b) to the northern end of the transabipment section (item 45c).

16. (TSR) Approximately

Airframe Plant during the November 1973-October 1978 time period. The razing of approximately

antely

of floorspace were completed at Lukhovitsy

for floorspace resulted in a net increase of approximately

Table 2
Lukhovitsy Airframe Plant and Lukhovitsy Airfield, USSR

ltom	Description	Dimen (m) L	sions W	Floorspace (sq m)*	Date Observed Complete	Remarks	Item	Description	(m) L	W	Floorspace (sq in) *	Date Observed Complete	Remarks
1 2	Support bidgs (2) Support bidg Support bids				Jun 63 Jun 63 Jun 78		10 .	Support bldg Maint/checkput hanger				Nov 75 Aug 70	Poss crow-ready bidg: first seen upon in Apr 75 Enlarged by
4	Shop/stor bidg				Aug 68								between Aug 71 & Jen 72
	Shop/stor sec				Aug 68	Original bldg: enlarged by	12	Maint/checkput hangar	1			Aug 71	First seen ucon in Feb 71
						between May 71 &	13	Mains/checkout hangar				Aug 71	First seen ucon in Feb 71
						Out 72	14	Maint/checkout hanger				Jan 72	- First seen ucon in Aug 71
ь	Support sec				May 73	First seen upon in Oct 72	15	Maint/checkput hangar				Apr 73	First seen ucon in Aug 72
5	Show/star basa	1			Acr 76	First seen upon in Nov 75	16	Maint/checkout hangar				May 73	First seen upon in Oct 72
ē	Pose shop bldg				Ucon	First seen ucon in Jul 77: projected floorspace of	17	Maint/checkout hangar				Ucon	First seen ucon in Jul 74 & complete in Oct 78; hanger apparently demaged prior to Jul 77; being rebuilt
7 8	Stor blóg Warshouse				Feb 75 Feb 75	First seen ucon in Jul 74 First seen ucon in Jul 74	18	Support bldg	1			Peb 75	Constructed between Jun 74 B Feb 75
9	Final assem/maint hangar	1			Apr 62		12	Support bldg				Nov 75	First seen upon in Feb 75
a	Final assem/maint sec				Apr 62	Original bldg	20	Electronics test &	1			Jun 63	Original bldg
ь	Checkout/maint sec				Apr 72	First seen ucon in Feb 71, originally reported to be		control bidg Rotodome suc					Rotodome sec is part of jotodome

25X1 25X1 25X1₁ 25X1 25X1

25X11 25X11

> 25X1 25X1 25X1

25X1

25X1

RCA-09/0012/79

Top Secret

Sanitized Copy Approved for Release 2010/05/14 : CIA-RDP79T01819A000100850001-1

Top Secret RUFF

25X1

Sanitized Copy Approved for Release 2010/05/14: CIA-RDP79T01819A000100850001-1

Table 3
Crate Assembly and Transshipment Facility, Lukhovitsy Airframe Plant, USSR (Items keyed to Figure 5)

This table in its entirety is classified TOP SECRET RUFF

ltem	Description	Dimen (m)	sions	Floorspace (sq m) *	Date Observed	Remarks	
		L	W		Complete **		
1	Housing area					Contains 11 two-story apt	25X
						bldgs & sev support bldgs	
2	Vehicle stor bldg				Feb 71	First seen ucon in Aug 69	,
3	Stor/support bldg				Jun 74	First seen ucon in Jan 74	,
4	Support bldg				Feb 75	Complete when first seen	
5	Stor/support bldg				Apr 74	First seen ucon in Aug 73	
6	Eng/shop bldg					Contains a single-story,	•
	Admin (ann bld				11.77	high-bay sec	
7	Admin/eng bldg				Jul 77	2-story bldg; first seen ucon in Feb 75	
8	Admin bldg					2-story bldg	
9	Shop bldg					Single-story bldg	
10	Fuel stor tank				Sep 76	First seen ucon in Apr 76	
11	Fuel stor tank				Jul 77	First seen ucon in Sep 76	
12	Fuel oil stor tank					Original stor tank	
13	Fuel oil stor tank				. 70	Original stor tank	
14	Shop/maint bldg				Aug 76	Single-story bldg; first seen	
	· · · · · · · · · · · · · · · · · ·					ucon in Apr 76	
15	Fuel oil pumping/ metering station					Original bldg	
16	Maint bldg					Original bldg	
17	Stor/support bldg					Original bldg	
18	Shop bldg					Original bldg	
19	Woodworking shop	-				Original bldg	
20	Maint/stor bldg					Original bldg	
21	Heating plant					Enlarged between Oct 72 &	
						Jul 74	
22	Eng/shop bldg				Feb 75	2-story bldg; first seen ucon in May 73	
23	Warehouse	_				Original bldg	•
24	Prob warehouse				Ucon	First seen ucon in Jul 78	
25	Warehouse					Original bldg	
26	Stor bldg					Original bldg	•
27	Support bldg					Original bldg	
28	Stor bldg					Original bldg	
29	Shop bldg					Contains a 2-story sec	
30	Vehicle maint/stor bldg	_				Original bldg	
31	Support bldg				Oct 72	Poss a small maint bldg	
						supporting cranes	
		_				(items 32 – 34)	
32	Tracked overhead traveling crane					Original crane serving open stor area	
33	Tracked traveling crane	7				Original crane serving open	
~		_				stor area	
34	Tracked traveling crane					Original crane for rail loading/- offloading	
35	Shop/support bldg	_				Sec added between Apr 75 &	
						Nov 75 contains	25X
						of floorspace.	207
36	Shop/maint bldg				Jan 72	Single-story bldg with large	
						vehicle opening in east side	
37	Support bldg	_			Jan 72	Poss for vehicle storage	
38	Support bldg				Nov 75	First seen ucon in Apr 75;	
						underground POL stor	
		_				bunker on west side of bldg	
39	Shop/crate assem bldg				Feb 71	Contains a multistory sec; was	•
						ucon in Jun 69	
40a	Woodworking shop					Original bldg	
b	Support sec				Feb 71	Sec ucon in Aug 70	
41a	Woodworking shop					Original bldg	
b	Support sec	_			Oct 72	Sec ucon in Feb 71	
42	Support bldg	_				Has 2 assoc stor silos	
43	Shop bldg	_				Has 4 assoc stor silos	
44a	Overhead traveling crane				. 75	Original crane track	
b	Crane addition	_			Apr 75	Addtion ucon in Aug 71	
er L-	Support bldg					Poss related to rail transfer	
45							
45 46	Support bldg	_				operations 2-story bldg	

Floorspace figures rounded to nearest tenth of a square meter

^{**}Blank entries in "Date Observed Complete" column indicate that the building or structure had been completed by June 1969. This table provides the first listing/identification of structures within the crate assembly and transshipment facility associated with Lukhovitsy Airframe Plant.



Mikoyan design, at both of these plants indicated that a joint production effort was underway. Concurrent with FISHBED production, both plants were also involved in the production of the MAY (IL-28), an antisubmarine warfare (ASW) aircraft of Ilyushin design. In early 1970 the FLOGGER (MIG-23), a Mikoyan-designed fighter in production at Moscow Airframe Plant 30 since 1969, was observed at Lukhovitsy Airframe Plant for the first time.

23. (TSR) The final assembly, flight test, checkout, and delivery of FISHBED, FLOGGER, and MAY aircraft were underway simultaneously through late 1973, when production of the MAY probably ceased. Activity at Lukhovitsy Airframe Plant involving FISHBED and FLOGGER aircraft continued until late 1974. Since late 1974 the plant has been involved almost exclusively in the final assembly, flight test, checkout, and delivery of FLOGGER aircraft.

24. (TSR) In June 1975, a high count of 104 FLOGGER was observed at the plant. The number of FLOGGER aircraft seen at the plant decreased slightly during the next four months and then rose again to 102 by late November 1975. Since that time, the number of FLOGGER aircraft observed at Lukhovitsy Airframe Plant has declined. In August 1978, a total of 58 FLOGGER was observed on the last cloud-free coverage acquired of the plant during the reporting period. At least 35 FLOGGER aircraft were observed on heavily clouded imagery obtained of the plant in October 1978. (This October 1978 imagery was the latest, usable imagery acquired prior to the information cutoff date of The numbers of FISHBED and FLOGGER aircraft observed at the date FLOGGER aircraft were first observed at the plant, through the plant from

are presented chronologically in Table 4.

Table 4

25X1 25X1

25X1

Sightings of FLOGGER and FISHBED, Lukhovitsy Airframe Plant,

This table in its entirety is classified TOP SECRET RUFF

25X1

25X1

KEYHOLE Remarks FISHBED Mission No **FLOGGER** First sighting of FLOGGER at Lukhovitsy 1 poss Airframe Plant 20 prob 1 poss 15 prob Mission op no 178 23 prob Mission op no 181 13 Count in cloud-free areas 10 1 FITTER also observed 1 FITTER also observed 1 prob FLAGON also observed 7 small delta/swept-wing aircraft observed 1 prob FLAGON & 1 prob FITTER also observed 1 FLAGON & 2 FITTER also observed 1 poss FLAGON & 2 FITTER also observed 1 poss 1 FLOGGER armed with 2 missiles & 1 FLAGON & 2 FITTER also observed 18 15 small delta/swept-wing aircraft observed 31 small delta/swept-wing aircraft observed 35 small delta/swept-wing aircraft observed 30 2 FLOGGER with missiles also observed 14 prob 16 First sighting of FENCER (RAM-F) at Lukhovitsy 4 Airframe Plant; 1 FITTER also observed 0 0 48 small delta/swept-wing aircraft & 1 FENCER observed 1 FENCER & 1 FITTER also observed 1 FENCER & 1 FITTER also observed 41 1 FITTER also observed 1 FITTER also observed 1 FITTER also observed 53 18 1 FITTER also observed 1 FITTER also observed Obscured by scattered clouds and haze 1 poss Observed in cloud-free areas Observed in cloud-free areas 1 FITTER also observed 6 poss

^{*} Unless otherwise noted, the numbers reflect the counts of confirmed aircraft

- 25. (TSR) Lukhovitsy Airframe Plant is also involved with airborne electronics, as indicated by the presence of the electronics test/calibration facility in the north-central plant area (Figure 4). This type of activity could account for the frequent observation of modified COOKPOT (TU-124), modified COOKER (TU-110), and modified CAMEL (TU-104) aircraft at the plant. These aircraft, with a conical extension to the forward fuselage that could house an airborne radar or other airborne sensors, probably serve as airborne test beds. Airborne electronics activity at Lukhovitsy Airframe Plant may also explain the frequent presence of BADGER (TU-16) aircraft at the plant.
- 26. (TSR) The plant may also serve as a maintenance facility for BEAGLE, COOT (IL-18), and MAY aircraft. Observation of these aircraft, which are no longer in series production, continued at the plant. Another reason for the presence of COOT and MAY aircraft could be the upgrading of their onboard electronics systems.
- 27. (TSR) Aircraft sightings at Lukhovitsy Airframe Plant since early 1970 may indicate an association between the plant and the Sukhoy Design Bureau. The sighting of a FITTER aircraft at the plant in early 1970 coincided with the performance testing phase for the FITTER B (SU-17) and occurred immediately prior to the performance testing of the FITTER C. In early 1971 a FLAGON (SU-15) aircraft was observed at the plant on several occasions. These sightings coincided with the performance testing of FLAGON D, which was underway from mid-1970 through mid-1971. In mid-1972, observation of a FENCER (SU-19/RAM-F) at the plant coincided with the early phase of performance testing for this aircraft. Another aircraft associated with the Sukhoy

KEYHOLE Date	No of Aircraft		Remarks
Mission No	FLOGGER	FISHBED	
	33	15	1 prob FITTER also observed
	13 prob	10 prob	1 poss FITTER also observed in
			cloud-free areas
	17	3	1 FITTER also observed
	11	9	1 MONGOL also observed, obscured by
			heavy clouds
	27	6	1 FITTER also observed
	25	12	
	47	2	2 FITTER also observed
	11 1 poss	1 prob	Observed in cloud-free areas
	30	11	2 FITTER also observed
	30	11	2 FITTER also observed
	23	12	2 FITTER also observed
	45	0	First sighting of FOXBAT (1) at
		-	the plant; 1 FITTER also observed
	76	1	1 FITTER also observed
	104	1	First observation of RAM-J at the plant;
			1 FENCER & 1 FITTER also observed
	76	1	1 FITTER also observed
	88	1	1 FITTER also observed
	2 poss		
	88	1	2 FITTER observed
	3 prob		
	92	1	1 FITTER also observed
	102	0	RAM-J observed at the plant for the second
			time; 1 FENCER, 1 FITTER, & 1 MONGOL
			also observed
	81 prob	0	1 poss FENCER also observed 1 FENCER & 1 FITTER also observed
	85 78	1	1 FENCER & 1 FITTER also observed 1 FENCER, 1 FITTER, & 1 FITTER/MOUJIK
	/8	,	also observed
	52	0	Observed in cloud-free areas
	48	0	1 prob MONGOL also observed
	40	1	1 FITTER also observed in cloud-free areas
	56	2	1 FENCER, 1 FLAGON, & 1 prob MONGOL
		-	also observed
	53	ż	1 FLAGON & 1 FITTER also observed
	49 prob	1 prob	Observed on degraded/blurred imagery
	55	0	2 prob FITTER also observed, obscured
	8 prob	-	by haze and snow
	46	1	1 prob FLAGON & 1 FITTER also observed.
			obscured by clouds and haze
	67	Ö	2 FITTER also observed
	3 prob	0	Main parking areas obscured by heavy clouds
	82	0	1 FITTER also observed
	67	1	1 FITTER also observed
	44	1	1 FITTER & 1 prob FITTER also observed
	58	1	1 FITTER also observed
	54		1 FITTER also observed
	58	1	1 FITTER also observed
	35	1 prob	3 prob FITTER also observed; parking area
	4 poss		partially obscured by neavy naze
	4 poss		partially obscured by heavy haze

25X1

25X1

25X1

25X1 25X1

25X1

25X1

25X1

Design Bureau, the RAM-J, 6.7 was observed at the plant for the first time in mid-1975 and again in late 1975, both dates coinciding with the early performance testing of the aircraft.

Lukhovitsy Airfield

- 28. (TSR) Lukhovitsy Airfield (Figures 1 and 2) to the south of Lukhovitsy Airframe Plant serves as the test and flyaway field for the plant. The airfield consists of a main concrete runway and two sod landing strips. A parallel taxiway is connected to the main runway by end-connecting links and a crossover link. A large parking/maintenance apron, two smaller parking aprons, and five small hardstands are situated between the taxiway and the plant. The area encompassed by the airfield is approximately 1,129 hectares.
- 29. (TSR) The main runway is oriented east-southeast/west-northwest on an azimuth of 110/290 degrees and is long. One of the sod landing strips is parallel to the southern side of the main runway and is The other sod landing strip is oriented east-southeast/west-northwest on an azimuth of 30. (TSR) Activity observed at the airfield from June 1969 through mid-October 1978 included resurfacing and widening of the main runway: this activity was still underway in October
- 30. (TSR) Activity observed at the airfield from June 1969 through mid-October 1978 included resurfacing and widening of the main runway; this activity was still underway in October 1978. The western four-fifths, or of the runway was being resurfaced and widened from The eastern one-fifth, or of the main runway had been resurfaced, but its width of remained unchanged. A concrete-surfaced overrun was being constructed at the eastern end of the main runway, and grading activity observed at the western end of the runway indicates that a hard-surfaced overrun will probably be constructed at that point.
- 31. (TSR) Additional activity at the airfield during the reporting period included the construction of a vehicle maintenance building (item 25, Figure 3 and Table 1), a storage/support building (item 71), and five support buildings (items 10 and 18, Figure 4 and Table 2, and items 26, 32, and 70, Figure 3 and Table 1) and the enlargement of two support buildings (items 27 and 31, Figure 3 and Table 1). Ten blast deflectors were added along the northwestern side of the large parking/maintenance apron between November 1976 and July 1977. The five parking hardstands (items 68 and 69) were constructed between November 1977 and July 1978.
- 32. (TSR) Construction activity underway at the airfield in October 1978 included work on the main runway, the runway overruns, and the taxiway. The vehicle maintenance building (item 28) was being enlarged with the addition of a vehicle maintenance/storage section (item 28a), and a parking apron (item 72) was under construction between two of the parking hardstands.

	,	Top Secret RUFF
		REFERENCES
AGI	ERY	
(TS		le, applicable KEYHOLE imagery acquired between was used in the preparation of this report. The imagery provided the most coverage prior to the information cutoff date of
APS	OR CHARTS	
SA	C. US Air Targ	et Chart, Series 200, Sheet 0166-6, scale 1:200,000 (UNCLASSIFIED)
CUI	MENTS	
1.	NPIC.	RCA-09/0024/70, Lukhovitsy Airframe Plant, Nov 69 (TOP SECRET
2.	NPIC.	BCA-09/0005/70, USSR Airframe Plants Activity Review, Aug 70 (TOP SECRET
3.	NPIC	RCA-09/0017/72, Lukhovitsy Airfield; Lukhovitsy Airframe Plant, Sep 71 (TOP SECRET
4.	NPIC	BCA-09/0001/73, Lukhovitsy Airfield; Lukhovitsy Airframe Plant, Jul 72 (TOP SECRET
5.	NPIC. CRET	RCA-09/0002/75. Lukhovitsv Airfield: Lukhovitsv Airframe Plant, Aug 74 (TOP SE-
6.	DIA. 14÷16 (TOP S	DDB-1923-2A-78-SAO, Foreign Aircraft Production, Communist World (U), Dec 78, pp SECRET
7.	FTD.	RFB-22/0010/77, RAM-J (TSR), Jul 77 (TOP SECRET RUFF)
*Ex	stracted inform	ation is TOP SECRET RUFF only.
OI II	REMENT	

(S) Comments and queries regarding this report are welcome. They may be directed to Pact Forces Division, Imagery Exploitation Group, NPIC,

- 13 -Top Secret Warsaw

Top Secret



Top Secret